

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of )  
Karim ZAGHIB et al. ) Group Art Unit:  
Application No.: 10/532,793 ) Examiner:  
Filed: April 25, 2005 ) Confirmation No.: 6701  
For: PARTICLE CONTAINING A GRAPHITE )  
BASED NUCLEUS COVERED WITH )  
AT LEAST ONE CONTINUOUS OR )  
DISCONTINUOUS LAYER, )  
PROCESSES FOR PREPARING THE )  
SAME AND THEIR USES )

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

The listed documents were cited in the International Search Report in the corresponding PCT application.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL PC

Date January 9, 2006

By: William C. Rowland  
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| Substitute for form 1449A/PTO & 1449B/PTO   |   | <b>Complete if Known</b> |                     |
| <b>FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b><br>(use as many sheets as necessary) |   | Application Number       | 0/532,793           |
|   |   | Filing Date              | April 25, 2005      |
|   |   | First Named Inventor     | Karim ZAGHIB et al. |
|   |   | Examiner Name            |                     |
|   |   | Attorney Docket Number   | 032556-023          |
| Sheet   | 1 | of                       | 1                   |

| U.S. PATENT DOCUMENTS |                 |                      |   |                                     |
|-----------------------|-----------------|----------------------|---|-------------------------------------|
| Examiner Initials     | Document Number | Kind Code (if known) | Name of Patentee or Applicant of Cited Document | Issue/Publication Date (MM-DD-YYYY) |
|                       | 5,521,026       |                      | Brochu et al.                                   | 05-28-1996                          |
|                       | US 2001/0041293 | A1                   | Barsukov et al.                                 | 11-15-2001                          |
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| FOREIGN PATENT DOCUMENTS |                 |                      |   |                                  |             |                     |                    |               |      |          |               |
|--------------------------|-----------------|----------------------|---|----------------------------------|-------------|---------------------|--------------------|---------------|------|----------|---------------|
| Examiner Initials        | Document Number | Kind Code (if known) | Country   | Date of Publication (MM-DD-YYYY) | STATUS      |                     |                    |               |      |          |               |
|                          |                 |                      |   |                                  | Translation | Partial Translation | Eng. Lang. Summary | Search Report | IPER | Abstract | Cited in Spec |
|                          | *JP 02051121    | A                    | Japan   | 02-21-1990                       |             |                     |                    |               |      | X        | X             |
|                          | *WO 03/063287   | A2                   | WIPO  | 07-31-2003                       |             |                     |                    |               |      |          | X             |
|                          | *2003-272630    |                      | Japan   | 09-26-2003                       |             |                     |                    | X             |      | X        |               |
|                          | *EP 1 081 777   | A2                   | Europe  | 03-07-2001                       |             |                     |                    | X             |      |          |               |
|                          | *JP 53 149194   |                      | Japan   | 12-26-1978                       |             |                     |                    | X             |      | X        |               |
|                          | *JP 51-80317    | A                    | Japan (corresponds to XP-002315533 – see below) | 07-13-1976                       |             |                     |                    | X             |      |          |               |
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| NON-PATENT LITERATURE DOCUMENTS |   |
|---------------------------------|---|
| Examiner Initials               | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
|                                 | *XP-002315532, DATABASE WPI, Derwent Publications Ltd., London, GB; Class A14, AN 1982-13450E.  |
|                                 | *XP-002315533, DATABASE WPI, Derwent Publications Ltd., London, GB, Class L02, AN 1976-65620X (corresponds to Japan 51 080317 – see above)  |
|                                 | *QINGSHAN ZHU et al., Oxidation Resistant SiC Coating for Graphite Materials, Carbon, vol. 37, no. 9, 1999, pp. 1475-1484.  |
|                                 | *H.M. GAJIWALA et al., Hybridized Resin Matrix Approach Applied for Development of Carbon/Carbon Composites—I, Carbon, Elsevier Science Publishing, New York, NY, vol. 36, no. 7-8, 1998, pp. 903-912.  |
|                                 | *DR. J. STEIN et al., Mechanofusion for High Performance Particles, CFI BER. DKG, Process Engineering, vol. 79, no. 4, January 2002, pp. E11-E15.   |

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| Examiner Signature | Date Considered |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.  
Form Letters1